

中国信息技术标准化 IT Standardization in China

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一、信息技术标准化工作思路

1. Consideration for IT standardization Work

新时期对标准化工作提出的要求：

Requirements of the current situation for standardization work:

- 系统性 **Systematicness**
- 时效性 **Timeliness**
- 协调性 **harmoniousness**
- 考虑知识产权 **Intelligence property rights need to be considered**
 - 与产业发展和市场需求紧密结合
 - **Closely relative to industry development and market demands**

标准化工作思路

Consideration for IT Standardization Work

工作重心和注意力从每年制定标准的数量上转移到满足产业发展和市场需求上。以企业为主体，按照“面向市场、服务产业、自主制定、适时推出、及时修订、不断完善”方针推进标准化工作，提高标准的反应速度，注重标准的实际效果。

Move the work focus and attention from quantity of standards yearly developed to meeting demands of market and development of the industry; Push standardization forward in accordance with the policy that is “facing market, serving industry, developing standards independently, issuing standards timely, updating in time and continuously improving standards”, with enterprises as main bodies; Speed up standards development on demands; and Pay attention to actual effects of standards.

标准化工作重点

Key points of standardization work

- 积极参与配合国家产业化项目、主体科技计划，组织数字电视、卫星导航、电子政务、**LINUX**、信息安全、平板显示、光电子器件及材料等专项的标准制定工作。

Actively participate in the development of national industrialized supporting projects and national science and technology projects; organize standards development of digital TV, satellite navigation, E-government, Linux, information security, flat display, photoelectronic components and materials, etc..

- 选择重点领域，着手制定产业发展急需的税控收款机、墨盒、二代居民身份证IC卡、无线IP、十进制网络、中文信息处理、数字音视频、数据库、软件构件库、中文办公软件、企业信息化、CPU、IP核等标准制定研究工作。

Select key fields and start out to develop urgently needed standards for industry development, such as tax control machine, ink box, IC card for 2nd generation ID, wireless IP, decimal network, Chinese information processing, digital video and audio, database, software components Chinese office software, enterprises informationization, CPU, IP core, etc..

- 抓好国际标准化工作，实质性地参与国际标准化活动。

Make great efforts to international standardization, substantially participate in international standardization activities.

二、信息技术标准化相关技术组织

2. Technical organizations related to IT standardization

相关技术组织

Technical organizations related

- 中国电子技术标准化研究所
Chinese Electronics Standardization Institute
- 信息产业部专项标准工作组
Special standards working group, Ministry of Information Industry
- 全国信息技术标准化技术委员会
National IT Standardization Technical Committee (NITSTC)
- 全国信息安全标准化技术委员会
National Technical Committee for Information Security
Standardization (NTCISS)
- 国家电子政务标准化总体组
National E-government Standardization General Working Group
- 全国音频、视频及多媒体与设备标准化技术委员会
National Standardization Technical Committee for
Audio Video Multimedia and equipment



中国电子技术标准化研究所
CESI

科技发展部（含国际标准化部） Division of Science & Technical Development
(including International Standardization)

基础产品研究中心 Research Center for Basic Products

电子设备与系统研究中心 Research Center for Electronic
Equipment and Systems

信息技术研究中心 Research Center for Information
Technology

安全与电磁兼容检测中心 Testing Center for Safety and EMC

计量与检测中心 Measurement and Calibration Center

信息处理产品标准符合性检测中心 Conformance Test Center
for Information Technology Standards

产品认证中心 Product Certification Center

体系认证中心 System Certification Center

软件工程与评估中心 Software Engineering and Evaluation
Center

数据与网控中心 Data and Network Control Center

标准与期刊出版发行中心 Editorial and Publishing Center for
Standards and Periodicals

信息产业部专项标准工作组（24个）

**24 special standards working groups,
MII**

宽带无线IP标准工作组

**Working Group for Broad Band Wireless IP
Standards**

■信息设备资源共享协同服务标准工作组

**Working Group for Information Devices Resources
Share Cooperative Services Standards**

■数字音视频编解码技术标准工作组

**Working Group for Digital Audio Video Coding and
Decoding Technology Standards**

■有线数字电视机顶盒机卡分离接口工作组

**Working Group for Cable Digital TV STD Card
Separated Interfaces Standards**

■税控收款机标准工作组

Working Group for Tax Control Machine Standards

■第二代居民身份证专用芯片模块产品标准工作组

**Working Group for Products Standards for Chip
Module Special for 2nd Generation ID**

■ **集成电路IP核标准工作组**

Working Group for Integrated Circuit IP Core Standards

■ **平板显示技术标准工作组**

Working Group for Flat Display Technology Standards

■ **信息处理产品用耗材标准工作组**

Working Group for Standards for consumed materials for Information processing products

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全国信息技术标准化技术委员会
National Information Technology Standardization Technical Committee

秘书处 Secretariat

多八位特别工作组 Working Group for Multi-Octet Coded Character Set Special

数字化信息家电平台特别工作组 Special WG for Digital Information Domestic Appliance Platform

XML特别工作组 Working Group for XML Special

识别卡特别工作组 Special Working Group for Identification Card

自动识别与数据采集分技术委员会 Subcommittee for Automatic Identification and Data Collection

非键盘输入分技术委员会 Subcommittee for Non Keyboard Input

光盘分技术委员会 Subcommittee for Optical Disc

多媒体分技术委员会 Subcommittee for Multi Media

办公机器、外围设备和消耗品分技术委员会

Subcommittee for Office Equipment, Peripheral and Consumed Material

微处理器分技术委员会 Subcommittee for Micro Processor

程序设计语言分技术委员会 Subcommittee for Program Language

网络分技术委员会 Subcommittee for Network

数据元表示分技术委员会 Subcommittee for Data Element Representation

柔性磁媒体分技术委员会 Subcommittee for Flexible Magnetic Media

磁盘分技术委员会 Subcommittee for Magnetic Disk

软件工程分技术委员会 Subcommittee for Software Engineering

数据通信分技术委员会 Subcommittee for Data Communication

字符集和编码分技术委员会 Subcommittee for Character Set and Coding

词汇分类分技术委员会 Subcommittee for Glossary Classification

中文平台特别技术委员会 Special Technical Committee for Chinese Platform

全国信息安全
标准化技术委
员会
NISSTC

WG1 标准体系与协调工作组
Working Group for
Standard System and Coordination

WG2 涉密信息系统保密工作组
Working Group for Secret Related Information
System

WG3 密码工作组
Working Group for Cryptogram

WG4 PKI/PMI工作组
Working Group for PKI/PMI

WG5 信息安全评估工作组
Working Group for Information Security Evaluation

WG6 信息安全管理工作组
Working Group for Information Security
Management

国家电子政务标准化总体组General Working Group for National E-government Standardization

- 为了加强电子政务标准化工作，国务院信息化工作办公室和国家标准化管理委员会于2002年1月联合成立了“国家电子政务标准化领导小组”和“国家电子政务标准化总体组”。秘书处设在中国电子技术标准化研究所。

To promote standardization of e-government, the State Council Informationization Office and the Standardization Administration of China jointly founded “National E-government Standardization Leading Group” and “General Working Group for National E-government Standardization” in January, 2002. The secretariat is located in Chinese Electronics Standardization Institute.

三、标准研究制定现状和趋势

3. Status and trend of standards research and development

我国已制定了6616项电子信息技术标准

6616 standards on electronics and IT

developed

截止到2003年底，我国现行电子信息技术国家标准为1985个，行业标准4631个，总计6616个。其中制造业方面的标准3622个，软件业方面的标准595个。

By the end of 2003, there are totally 6616 existing standards including 1985 national standards and 4631 industrial standards on electronics and information technology, in which 3622 standards on manufacturing and 595 on software industry are included.

集成电路标准化

IC standardization

网络标准化

Network standardization

中文信息技术标准化

Chinese information technology standardization

信息安全标准化

Information security standardization

软件工程标准化

Software engineering standardization

Linux标准化

Linux standardization

电子政务标准化

E-government standardization

电子信息产品污染防治标准化

standardization for the protection against pollution by

Electronic information products

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谢谢!
Thanks!

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